

Amendments to the Claims:

1. (Currently Amended) An accumulation display device comprising:

a reception unit that receives a currently broadcasted program content, index information associating a currently broadcasted program content with an index and specifying a scene of the program and trigger information including mode information for special reproduction of the program content and constituting metadata with the index information;

an accumulation unit that accumulates the program content, the index information and the trigger information;

a main display unit receiving and displaying the input of the program content received by the reception unit;

a metadata interpretation unit that interprets the index information and the trigger information of the currently broadcasted or the accumulated program content and outputs mode information for special reproduction; and reproduction;

an accumulated image processing unit connected with a mobile data terminal functioning as a sub reception and display unit, and extracting at least a part of the accumulated program content based on the mode information from the trigger information, restructures the program content extracted based on the mode information, and outputs the restructured program content to the mobile data terminal; and

a mobile data terminal management unit managing information of the mobile data terminal to which the restructured program content should be outputted;

the index information includes a program ID for identifying a program corresponding to the index information, an ID for identifying the index information, starttime data of the corresponding program, and finishtime data of the corresponding program; program;

the mobile data terminal management unit manages information of the mobile data terminal and further, transmits to the mobile data terminal, metadata for the video operation menu corresponding to the mobile data terminal, and then realizes a video operation menu on the mobile data terminal; and

the accumulated image processing unit further extracts at least a part of the program content from the index information based on contents of the trigger information, restructures the program content extracted based on the mode information, outputs the restructured program content to the mobile data terminal, and displays the restructured program content video operated on the mobile data terminal in a manner that the currently broadcasted original program content received by the reception unit is displayed in parallel on the main display unit.

2. (Original) The accumulation display device according to claim 1, wherein the trigger information includes mode information for performing special reproduction of at least any one of interlocked reproduction, replay reproduction, highlight reproduction, and follow reproduction of a currently viewed program content.

3. (Original) The accumulation display device according to claim 2, further comprising a display unit that displays the currently broadcasted or the accumulated program content and the mode information for special reproduction.

4. (Original) The accumulation display device according to claim 1, wherein the accumulated image processing unit extracts, according to a request of mode information for special reproduction from a sub-display device receiving a restructured program content, at least a part of the accumulated program content based on trigger information received after the request or the latest trigger information of the request, and outputs the restructured program content.

5. (Previously Presented) The accumulation display device according to claim 1, further comprising a sub-display device management unit that manages terminal information including a terminal ID and performance of at least one mobile data terminal receiving a restructured program content,

wherein the accumulated image processing unit processes and outputs a program content according to performance of each sub-display device.

6. (Currently Amended) A mobile data terminal comprising:

an input unit that receives an input from a user;

a transmission unit that transmits user select information received by the input unit to the accumulation display device according to claim 1;

a reception unit that receives a program content restructured based on the user select information and metadata for the video operation menu corresponding to the mobile data terminal from the accumulation display device; and

a display unit connected with the reception unit;

wherein the reception unit receives restructured program content and the metadata for the video operation menu from the accumulation display device, and realizes a video operation menu on the mobile data terminal; and

the display unit of the mobile data terminal displays the received and restructured program content video operated in a manner that an original program content received by the accumulation display device is displayed in parallel on the main display unit of the accumulation display device.

7. - 8. (Cancelled)

9. (Previously Presented) The accumulation display device according to claim 1, wherein the index information further includes meaning information describing contents of a program content specified by an index at a keyword level.

10. (Previously Presented) The accumulation display device according to claim 1, wherein the trigger information includes one or more of a program ID for identifying a program corresponding to the trigger information, mode information for identifying the trigger information, starttime specifying an extracted scene, and extraction time, thereby specifying timing transmitting at least a part of the program content to the mobile data terminal.

11. (Previously Presented) The accumulation display device according to claim 1, wherein the trigger information includes a program ID for identifying a program corresponding to the trigger information, mode information for identifying the trigger information, and a specified index ID for identifying specified index information, thereby specifying timing transmitting at least a part of the program content to the mobile data terminal.

12. (Previously Presented) The accumulation display device according to claim 11, wherein the trigger information further includes meaning information describing a program content associated with index information at a keyword level, and grading index information of weight of the meaning information according to a degree of importance of the program content.

13. (Previously Presented) The accumulation display device according to claim 1, wherein the accumulated image processing unit adds, to the restructured program content, superimpose information displayed as an image separate from the program content, and changes and restructures time of each partial program content at restructuring the partial program content based on meaning information included in the trigger information and the index information.

14. (Original) The accumulation display device according to claim 13, wherein the superimpose information is generated using any of meaning information of trigger information, a trigger name, and meaning information of index information.

15. (Original) The accumulation display device according to claim 12, wherein the trigger information includes accumulation instruction information instructing accumulation of the corresponding program content.

16. (Currently Amended) An interlocked display system comprising an accumulation display device receiving and displaying a currently broadcasted program content as a main reception and display terminal; and a mobile data terminal connected with the accumulation display device and receiving a program content restructured for special reproduction from the accumulation display device and displaying the restructured program content as a sub reception and display terminal,

the accumulation display device including:

a reception unit that receives a currently broadcasted program content, index information associating a currently broadcasted program content with an index and specifying a scene of the program and trigger information including mode information for special reproduction of the program content and constituting metadata with the index information;

an accumulation unit that accumulates the program content, the index information and the trigger information;

a main display unit receiving and displaying the input of the program content received by the reception unit;

a metadata interpretation unit that interprets the index information and the trigger information of the currently broadcasted or the accumulated program content and outputs mode information for special reproduction; and reproduction;

an accumulated image processing unit connected with the mobile data terminal, and extracting at least a part of the accumulated program content based on the mode information from the trigger information, restructures the program content extracted based on the mode information, and outputs the restructured program content to the mobile data terminal; and

a mobile data terminal management unit managing information of the mobile data terminal to which the restructured program content should be outputted;

the index information includes a program ID for identifying a program corresponding to the index information, an ID for identifying the index information, starttime data of the corresponding program, and finishtime data of the corresponding program; and

the mobile data terminal including:

an input unit that receives an input from a user;

a transmission unit that transmits user select information received by the input unit to the accumulation display device;

a reception unit that receives a program content restructured based on the user select information from the accumulation display device; and

a display unit connected with the reception unit;

wherein, between the accumulation display device and the mobile data terminal,

the mobile data terminal management unit of the accumulation display device manages information of the mobile data terminal and further, transmits to the mobile data terminal, metadata for the video operation menu corresponding to the mobile data terminal,

the reception unit of the mobile data terminal receives the metadata for the video operation menu and realizes a video operation menu on the mobile data terminal based on the metadata for the video operation menu; and

the accumulated image processing unit of the accumulation display device extracts at least a part of the program content from the index information based on contents of the trigger information, restructures the program content extracted based on the mode information, and outputs the restructured program content to the mobile data terminal; and

the reception unit of the mobile data terminal receives restructured program content and the metadata for the video operation menu and realizes a video operation menu on the mobile data terminal based on the metadata for the video operation menu from the accumulation display device; and

the mobile data terminal management unit manages information of the mobile data terminal and further, transmits to the mobile data terminal, metadata for the video operation menu corresponding to the mobile data terminal, and then realizes a video operation menu on the mobile data terminal; and

the display unit of the mobile data terminal displays the received and restructured program content video operated in a manner that the currently broadcasted original program content received by the accumulation display device is displayed in parallel on the main display unit of the accumulation display device.

17. (Original) The interlocked display system according to claim 16, wherein the accumulation display device as a server transmits a restructured program content to the mobile data terminal via a network.

18. (Previously Presented) An interlocked display method using an accumulation display device reproducing a currently broadcasted program content and a mobile data terminal interlocking with the accumulation display device to perform special reproduction of the program content,

the accumulation display device comprising the steps of:

receiving the currently broadcasted program content, index information associating a currently broadcasted program content with an index and specifying a scene of the program and trigger information including mode information for special reproduction of the program content and constituting metadata with the index information;

accumulating the program content, the index information and the trigger information;

displaying the received program content;

extracting at least a part of the accumulated program content associated with the index information based on mode information from the trigger information, restructuring the program content extracted based on the mode information, and outputting the restructured program content to the mobile data terminal,

wherein, in the step of outputting the restructured program content to the mobile data terminal, extracting at least a part of the program content from the index information based on contents of the trigger information, restructuring the program

content extracted based on the mode information, and outputting the restructured program content to the mobile data terminal,

the data terminal comprising the steps of:

receiving the program content restructured from the accumulation display device; and

displaying the received and restructured program content in a manner that the currently broadcasted original program content received by the accumulation display is displayed in parallel on a main display unit of the accumulation display device.